

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

FORM APPROVED

OMB NO. 1004-0137

Expires: February 28, 1995

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

|                                                                                                                                                                                                                                        |  |                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------|
| 1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____                                                                                              |  | 7. UNIT AGREEMENT NAME                                                   |
| b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR <input checked="" type="checkbox"/> Other _____ |  | San Juan 30-5 Unit                                                       |
| 2. NAME OF OPERATOR<br>Phillips Petroleum Company                                                                                                                                                                                      |  | 8. FARM OR LEASE NAME, WELL NO.<br>SJ 30-5 #52M                          |
| 3. ADDRESS AND TELEPHONE NO.<br>5525 Highway 64, NBU 3004, Farmington, NM 87401 505-599-3454                                                                                                                                           |  | 9. API WELL NO.<br>30-039-25677                                          |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)<br>At surface<br>Unit I, 1456' FSL & 851' FEL<br>At top prod. interval reported below<br>same as above<br>At total depth<br>same as above  |  | 10. FIELD AND POOL, OR WILDCAT<br>Blanco Mesaverde                       |
| 14. PERMIT NO. DATE ISSUED<br>OIL CON. DIV. DIST. 3 APR 22 1998                                                                                                                                                                        |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>7 Sec. 15, T30N, R5W |
| 12. COUNTY OR PARISH<br>Rio Arriba                                                                                                                                                                                                     |  | 13. STATE<br>NM                                                          |

|                                                                                                                   |                                        |                                               |                                                              |                                       |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------|--------------------------------------------------------------|---------------------------------------|
| 15. DATE SPUDDED<br>5/3/97                                                                                        | 16. DATE T.D. REACHED<br>5/11/97       | 17. DATE COMPL. (Ready to produce)<br>4/18/98 | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br>6486' prepared GL | 19. ELEV. CASINGHEAD                  |
| 20. TOTAL DEPTH, MD & TVD<br>8013'                                                                                | 21. PLUG, BACK T.D., MD & TVD<br>7999' | 22. IF MULTIPLE COMPL., HOW MANY*<br>2        | 23. INTERVALS DRILLED BY<br>→                                | ROTARY TOOLS<br>X                     |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*<br>Blanco Mesaverde 4295' - 5873' |                                        |                                               |                                                              | 25. WAS DIRECTIONAL SURVEY MADE<br>no |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>CBL/GSL/ CCL                                                              |                                        |                                               |                                                              | 27. WAS WELL CORED<br>no              |

| 28. CASING RECORD (Report all strings set in well) |                 |                |           |                                 |               |
|----------------------------------------------------|-----------------|----------------|-----------|---------------------------------|---------------|
| CASING SIZE/GRADE                                  | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD | AMOUNT PULLED |
| 9-5/8"                                             | 36#, K-55       | 368'           | 12-1/4"   | surf - 185 sx (222 cf) CL B     | 19 bbls       |
| 7"                                                 | 20#, K-55       | 3802'          | 8-3/4"    | surf-L-435 sx C1 B POZ          | 1-1/2" bbls   |
|                                                    |                 |                |           | T-150 sx C1 B                   |               |
| 4-1/2"                                             | 11.6# N-80      | 8001'          | 6-1/4"    | L-315 sx 50%POZ; T-100sx C1 H   |               |

| 29. LINER RECORD |          |             |               | 30. TUBING RECORD |                |                 |
|------------------|----------|-------------|---------------|-------------------|----------------|-----------------|
| SIZE             | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SIZE              | DEPTH SET (MD) | PACKER SET (MD) |
|                  |          |             |               | 2-3/8"            | 7865'          | no              |
|                  |          |             |               | 4.7#              |                |                 |

|                                                                                                                             |                                                |                                  |
|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------|
| 31. PERFORATION RECORD (Interval, size and number)<br>Blanco Mesaverde interval<br><br>See attached for perforation details | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                                  |
|                                                                                                                             | DEPTH INTERVAL (MD)                            | AMOUNT AND KIND OF MATERIAL USED |
|                                                                                                                             | See attached for                               | acid and stimulation details     |
|                                                                                                                             |                                                |                                  |

|                             |                                 |                                                                                   |                              |                          |                            |                                          |                           |
|-----------------------------|---------------------------------|-----------------------------------------------------------------------------------|------------------------------|--------------------------|----------------------------|------------------------------------------|---------------------------|
| 33.* PRODUCTION             |                                 |                                                                                   |                              |                          |                            |                                          |                           |
| DATE FIRST PRODUCTION<br>SI |                                 | PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)<br>flowing |                              |                          |                            | WELL STATUS (Producing or shut-in)<br>SI |                           |
| DATE OF TEST<br>3/15/98     | HOURS TESTED<br>1 hr            | CHOKE SIZE<br>1/2"                                                                | PROD'N. FOR TEST PERIOD<br>→ | OIL - BBL.<br>2.567 mmcf | GAS - MCF.<br>3 bwpd       | WATER - BBL.<br>2.567 mmcf               | GAS - OIL RATIO<br>3 bwpd |
| FLOW, TUBING PRESS.<br>n/a  | CASING PRESSURE<br>400 psi-flow | CALCULATED 24-HOUR RATE<br>→                                                      | OIL - BBL.<br>2.567 mmcf     | GAS - MCF.<br>3 bwpd     | WATER - BBL.<br>2.567 mmcf | OIL GRAVITY - API<br>3 bwpd              |                           |

|                                                                                                                                          |  |                            |
|------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>SI until approvals received and then will commingle with Dakota production |  | WITNESSED BY<br>Drew Bates |
|------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Regulatory Assistant

BY

FARMINGTON DISTRICT OFFICE  
APR 21 1998  
4-21-98

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

| FORMATION  | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC. | GEOLOGIC MARKERS |             |                  |
|------------|------|--------|-----------------------------|------------------|-------------|------------------|
|            |      |        |                             | NAME             | MEAS. DEPTH | TRUE VERT. DEPTH |
| Cliffhouse | 5375 | 5420   | Sandstone & Shale           |                  |             |                  |
| Menefee    | 5420 | 5645   | Sandstone & Shale           |                  |             |                  |
| Pt Lookout | 5645 | 61880  | Sandstone & Shale           |                  |             |                  |
| Mancos     | 6180 | 6370   | Shale                       |                  |             |                  |
| Gallup     | 6370 | 7655   | Sandstone & Shale           |                  |             |                  |
| Greenhorn  | 7655 | 7704   | Limestone & Shale           |                  |             |                  |
| Graneros   | 7704 | 7830   | Shale                       |                  |             |                  |
| Dakota     | 7830 | 8050   | Sandstone & Shale           |                  |             |                  |

**San Juan 30-5 Unit #52M  
SF-078997; Unit I, 1456' FSL & 851' FEL  
Section 15, T30N, R5W**

**Details of perforations and stimulation of Mesaverde formation.**

Perforations for MV interval:

5873', 5844', 5787', 5769', 5763', 5752', 5729', 5718', 5714', 5709', 5697',  
5694', 5694', 5693', 5690', 5688', 5679', 5672', 5663', 5651', 5638', 5626',  
5565', 5563', 5541', 5509', 5506', 5479', 5454', 5431', 5421', 5415', 5356'.

Acidize MV interval with 1386 gal 7 ½% HCL and 50 balls.

Frac'd MV interval with 88,093 gal 60Q N<sub>2</sub> 30# Linear foam w/200,000 # 20/40 Brady sand.

Perforations for Lewis Shale interval:

|                                                                   |                |
|-------------------------------------------------------------------|----------------|
| 4975' – 4978' (3');    4804' – 4807' (3');    4761' – 4764' (3'); |                |
| 4722' – 4725' (3');    4682' – 4685' (3');    4625' – 4628' (3'); |                |
| 4620' – 4623' (3');    4574' – 4577' (3');    4562' – 4565' (3'); |                |
| 4554' – 4557' (3');    4313' – 4316' (3');    4295' – 4298' (3'); | Total 36 holes |

Acidized Lewis Shale interval with 1500 gal of 15% HCL & 50 ballsealers.

Frac'd Lewis Shale with 68,400 gal Quality 30# X-link N<sub>2</sub> foam w/204,000 # 20/40 Brady sand. Total N<sub>2</sub> 841,000 scf. Flushed w/58 bbls water.